

## Formula developed for sizing leaching chambers

The Safety and Buildings Division has developed a sizing formula for private onsite wastewater treatment leaching chambers, which will go into effect as division policy on April 15, 2002. The policy defines when chambers meeting certain criteria can be recognized as providing a larger soil absorption area than their open bottom area. Other chambers that comply with the requirements of Comm 84.30(6)(h) calculate the system soil absorption area based on the actual open bottom area.

If all of the five conditions listed below are met, this formula shall be applied to determine the acceptable Equivalent Infiltrative Soil Area (EISA) per chamber: The EISA for such leaching chambers shall be 5 ft<sup>2</sup> per linear foot or 2.1 times the chamber's open bottom area per linear foot, whichever is less.

The policy applies to chambers that comply with

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all of these five conditions:

1. Leaching chambers that are submitted for product review and are approved in accordance with Comm 84.50.
2. Leaching chambers that receive wastewater having a BOD<sub>5</sub> of >30 220 mg/L and TSS of > 30 150 mg/L.
3. Leaching chambers installed in individual excavations that create a row of chambers that are horizontally separated from other rows in other

**Several of the education sessions on the new Commercial Building Code provide con ed for people having fire sprinkler credentials. See pages 2-3.**

excavations by at least three feet. The 3-foot measurement is measured between the closest outside edges of the leaching chambers.

4. The distribution cell design will allow at least six inches of ponding in the chambers without backflow of wastewater into the drainpipe that discharges into the chambers.

5. The chambers are installed in a distribution system which has the top of the distribution cell at or below original grade.

For more information, including a table identifying leaching chambers approved for use in Wisconsin and their EISA, see the S&B Internet "Library," linked on the left of the S&B HomePage, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>. Or, contact Mike Beckwith, S&B Plumbing Product Reviewer, [mbeckwith@commerce.state.wi.us](mailto:mbeckwith@commerce.state.wi.us), 608-266-6742.



# Spring 2002 *Wisconsin* Commercial Building Code Education Sessions

Vital information about the substance and structure of the new code going into effect July 1, 2002

## Continuing education for Commercial Building Inspectors, Plumbers, Sprinkler Contractors

The Safety and Buildings Division encourages people in all phases of the construction industry to learn about the broadest building code changes in our state in 50 years!

The **“Accessibility and Fair Housing”** sessions will familiarize code users with the accessibility provisions of the *WCBC*, the International Building Code, and national standards. The session will also include information on the newest Wisconsin provisions that match up the *WCBC* with state and federal Fair Housing laws, as well as an update on ADA changes in the near future. 6 hrs con ed for CBI, 2 hrs for MP, MPRA, MPRS, JP. ID # 4883

The **“Multifamily Dwellings”** sessions look at *WCBC* impact upon apartment building construction. An overview of the *WCBC* and a guide to code provisions concerning multifamily dwellings of any height. 6 hrs con ed for CBI. ID # 4882

The **“WCBC Overview”** sessions will describe the structure and logic of the entire code, without getting into the details. It includes the Wisconsin administrative requirements and adopted amendments to the International Building Code, the International Energy Conservation Code, the International Mechanical Code, and the International Fuel Gas Code. 6 hrs con ed for CBI. ID # 4881

The **“Energy and HVAC”** sessions dig into the *WCBC* requirements that pertain to energy conservation and the mechanical code provisions relating to all types of heating and ventilation systems for commercial buildings. Modifications to the lighting code will be discussed, along with new options and tools for demonstrating building envelope compliance. Also includes detailed info on the International Energy Conservation Code, the International Mechanical Code, the International Fuel Gas Code, and adopted amendments, including the alternative methodologies and worksheets that are familiar to past users of Comm 63. 6 hrs con ed for CBI. ID # 4879

The **“WCBC, Fire Code and Hazard Provisions”** sessions focus on the International Building Code, references to the International Fire Code, and on hazardous occupancies. Maneuvering in the new code format and working with references will be considered. Attendees will also be exposed to tools to make this subject clearer. 6 hrs con ed for CBI, 2 hrs for Auto Fire Sprink Cont, Journey Auto Fire Sprink Fit, Auto Fire Sprink Cont-Maint. ID # 4878

The **“Fire Resistance in Commercial Buildings”** sessions help users of the *WCBC* understand the importance of fire resistance in commercial building construction. The session includes detailed discussion of how the *WCBC* relies on fire resistive construction to make commercial buildings fire safe, balanced with early warning and suppression systems. This involves IBC chapter 7, including the subtle differences between firewalls, fire barriers, and fire partitions. 6 hrs con ed for CBI, 2 hrs for Auto Fire Sprink Cont, Journey Auto Fire Sprink Fit, Auto Fire Sprink Cont-Maint. ID # 4880.

The **“Structural”** sessions look at the structural requirements of the *WCBC*, including amendments that streamline the code and make it easier to use. There will be discussion of snow load and wind load provisions and ASCE 7. Seismic provisions of the code will be discussed to help dispel rumors that exist on the subject. 6 hrs con ed for CBI. ID # 4877

**“Health Care Facilities”** looks at the *WCBC* requirements for construction of hospitals and nursing homes, especially alignment with DHFS facility licensure requirements. A health care overview of the entire *WCBC* will aid users in the navigation of the Int. Building Code, the Int. Energy Conservation Code, the Int. Mechanical Code, and the Int. Fuel Gas Code. 6 hrs con ed for CBI. ID # 4876

Blocks of rooms have been reserved at these hosting motels. Call them ASAP and request a room related to the Department of Commerce Commercial Building Code classes.

<b>Madison</b> Quality Inn South 4916 E Broadway 608-222-5501	<b>Superior</b> Days Inn 110 E 2 <sup>nd</sup> St 715-392-4783	<b>Mosinee</b> Stoney Creek Inn 1100 Imperial Ave 800-659-2220	<b>Green Bay</b> Comfort Suites 1951 Bond St 920-499-7449	<b>Eau Claire</b> Best Western Midway 2851 Hendrickson Dr 715-835-2242
<b>Waukesha</b> Country Inn 2810 Golf Rd 800-247-6640	<b>Fond du Lac</b> Ramada Plaza 1 North Main St 920-923-3000	<b>LaCrosse</b> Radisson Hotel 200 Harborview Plaza 608-784-6680	<b>Milwaukee</b> Clarion Hotel 5311 S Howell Ave 414-481-2400	



# Registration for Spring 2002 Wisconsin Commercial Building Code Education

Registration must be received by S&B at least one week prior to the class. Seating is limited. One form per person. Confirmations will **not** be sent; you will be contacted only if the session you select is full. **Keep a copy of this form as a reminder of what you registered for.** If you have registration questions, call the S&B Credential Unit, 608-261-8500, or email [madisoncred@commerce.state.wi.us](mailto:madisoncred@commerce.state.wi.us). If you have questions on the education topics, contact Jim Smith, 608-266-0251, [jsmith@commerce.state.wi.us](mailto:jsmith@commerce.state.wi.us), or Henry Kosarzycki, 262-548-8615, [hkosarzycki@commerce.state.wi.us](mailto:hkosarzycki@commerce.state.wi.us).

Classes are \$95 each, including materials (Please bring your copy of the new code. See page 5 for code purchase info.). Choose your topics, dates, and locations. Enter \$95 into the blank before the date on which you wish to attend the course. Add down to get a subtotal. Add the subtotals to reach a final total. The check should be made out to "Safety and Buildings Division."

## Daily Schedule:

8-8:30 a.m. registration,  
8:30-11:30 a.m. class,  
11:30-12:30 p.m. lunch  
on your own,  
12:30- 3:30 p.m. class

Learn about  
the CBC

Topic .....	Madison .....	Fond du Lac .....	Green Bay
Accessibility .....	_____	_____	April 23
Multifamily .....	_____	_____	April 24
WCBC Overview ...	_____ April 16 .....	_____ April 17 .....	_____ April 30
Energy/HVAC .....	_____ April 17 .....	_____ April 18 .....	_____ May 1
Fire Code/Hazard ...	_____ April 23 .....	_____ April 24 .....	_____ April 16
Fire Resistance .....	_____ April 24 .....	_____	_____ April 17
Structural .....	_____ April 25 .....	_____	_____ April 18
Health Care .....	_____ June 4 .....	_____	_____ June 11
_____ Subtotal	_____ Subtotal	_____ Subtotal	

Topic .....	Mosinee .....	Eau Claire .....	Superior .....	Milwaukee
Accessibility .....	_____ April 24 .....	_____ May 7 .....	_____ May 8 .....	_____ May 20
Multifamily .....	_____ April 25 .....	_____ May 8 .....	_____ May 9 .....	_____ May 21
WCBC Overview ...	_____ May 1 .....	_____ May 16 .....	_____ May 15 .....	_____ May 28
Energy/HVAC .....	_____ May 2 .....	_____ May 17 .....	_____ May 16 .....	_____ May 29
Fire Code/Hazard ...	_____ April 17 .....	_____ April 30 .....	_____ May 1 .....	_____ May 6
Fire Resistance .....	_____ May 1 .....	_____	_____	_____ May 7
Structural .....	_____ May 2 .....	_____	_____	_____ May 8
Health Care .....	_____ June 6 .....	_____	_____	_____ June 13
_____ Subtotal	_____ Subtotal	_____ Subtotal	_____ Subtotal	

Topic .....	La Crosse .....	Waukesha	
Fire Code/Hazard ...	_____ May 14 .....	_____ May 16	_____ Final Total

Please Print .....  
Personal information you provide may be used for secondary purposes [Privacy Law, s. 1504(1)(m)]

Name: \_\_\_\_\_ S&B Credential Number: \_\_\_\_\_

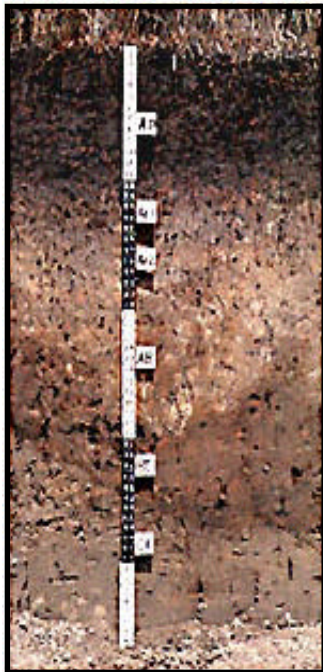
Address, with zip code: \_\_\_\_\_

Day phone, with area code: \_\_\_\_\_

Amount enclosed: \_\_\_\_\_ Check #: \_\_\_\_\_ Revenue Code 9200

Mail to: S&B Credentialing Unit, P.O. Box 1484, Madison, WI 53701-1484





## 2002 POWTS Spring Training Registration Form

### “POWTS Component Manuals for Onsite Sewage System Designs”

ID#4872 These seminars offer an opportunity to become more familiar with some of the POWTS Component Manuals that are used for system design, installation, and inspection. The seminars will address conventional design issues, and pressure distribution. Design examples using component manual specifications and worksheets will be provided.

Each course approved for three hours of S&B Con Ed for  
MP, MPRS, JP, JPRS, CST, POWTS I

Check the date and location of the course(s) you wish to attend,  
Cost is \$30 per person per 3-hour session:



### POWTS DESIGN All sessions run 6 – 9 pm.

- |   |  |
|---|--|
| ___ Apr. 15 – <b>Medford</b> , USDA Center, 925 Donald St         | ___ Apr. 23 – <b>Manitowoc</b> , Co Offices, 4310 Expo Dr    |
| ___ Apr. 16 – <b>Hudson</b> , Courthouse, 1101 Carmichael Rd      | ___ Apr. 23 – <b>Sparta</b> , County Board Rm, 112 S Court   |
| ___ Apr. 16 – <b>Outagamie Co</b> , Center Town Hall, Hwy 47      | ___ Apr. 23 – <b>Washburn</b> , Bayfield Cthse, E Fifth St   |
| ___ Apr. 17 – <b>Ives Grove</b> , Training Center 14011 Spring St | ___ Apr. 24 – <b>Shawano</b> , Courthouse, 311 N Main St     |
| ___ Apr. 17 – <b>Plover</b> , Municipal Center, 2400 Post Rd      | ___ Apr. 25 – <b>Rhineland</b> , Holiday Acres, 4060 S Shore |
| ___ Apr. 17 – <b>Spooner</b> , UW Exp Farm, Hwy 70E               | ___ Apr. 29 – <b>Janesville</b> , Courthouse, 51 S Main St   |
| ___ Apr. 22 – <b>Chip. Falls</b> , Courthouse, 711 N Bridge       | ___ Apr. 30 – <b>West Bend</b> , Co Center, 333 E Washington |
| ___ Apr. 23 – <b>Dodgeville</b> , Stonefield Apts 407 E Madison   | ___ May 14 – <b>Arlington</b> , UW Exp Farm                  |

**Registration must be received by S&B at least 1 week prior to the class.** Seating is limited. One form per person. Confirmations will **not** be sent. You will be contacted only if the session you selected is full. **Keep a copy of this form as a reminder of what you registered for.** If you have registration questions, call the S&B Credential Unit, 608-261-8500, or email [madisoncred@commerce.state.wi.us](mailto:madisoncred@commerce.state.wi.us). If you have questions about the class topics, contact a Wastewater Specialist or POWTS Plan Reviewer listed on page 10 of this WCCR.

Personal information you provide may be used for secondary purposes [Privacy Law, s. 1504(1)(m)]

Name: \_\_\_\_\_ Credential Number: \_\_\_\_\_

Address, with zip code: \_\_\_\_\_

Day phone, with area code: \_\_\_\_\_

Mail to: Credentialing Unit, P.O. Box 1484, Madison, WI 53701-1484

Make check to “Dept. of Commerce.” No refunds. Fees are not transferable.

Amount enclosed: \_\_\_\_\_ Check #: \_\_\_\_\_ Revenue Code 9200

POWTS component design manuals and information on other aspects of the S&B POWTS Program are on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-PowtsProgram.html>



# Get your two-volume set of Comm 61 – 65, Wisconsin's recently adopted new Commercial Building Code, with relevant provisions of the International Code Council model codes!

The new Wisconsin code goes into effect July 1, 2002. There will be Spring 2002 revisions to the new adopted code, to address historic buildings, fair housing, and deal with cross references from other codes.\*

Each set of what is called the "Enrolled Code" costs \$200, including shipping and handling. The enrolled code has all the relevant provisions of the International Building Code, International Energy Conservation, International Mechanical Code, and International Fuel Gas Code, without unneeded text such as seismic maps for California, or climate maps for states other than Wisconsin. Be aware you may purchase

the Wisconsin Commercial Building Code, without the model code provisions, from state Document Sales, 800-362-7253. Then, you can also purchase the national version of the model codes from some model code organizations. Costs in that instance may be greater. Wisconsin administrative codes (but not the model code provisions) are available free online via the Revisor of Statutes' web site: <http://www.legis.state.wi.us/rsb/code>.

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Send check for \$200 per set to the "Safety and Buildings Division,"  
Attn: Roberta Ward, PO Box 2689, Madison WI 53701

Personal information you provide may be used for secondary purposes [Privacy Law, s. 1504(1)(m)]

How many sets are you ordering? \_\_\_\_\_ (\$200 x number = check amount \_\_\_\_\_)

Company or individual name: \_\_\_\_\_

Shipping street address: \_\_\_\_\_

Special Instructions?: \_\_\_\_\_

City, state, zip: \_\_\_\_\_

Telephone number \_\_\_\_\_

Fiscal code 8035

\*A code revision package is currently being processed by the Department of Commerce to further enhance the adopted Commercial Building Code, and to change, in other codes, cross references to the building code. The revisions are expected to be adopted and in place when the new code goes into effect July 1, 2000. The revisions are not in the Enrolled Code at this point. The draft revisions are available on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>, or from Roberta Ward, 608-266-8741, [rward@commerce.state.wi.us](mailto:rward@commerce.state.wi.us).



# Spring 2002 Safety and Buildings Plumbing Continuing Education



Sessions around the state on varying plumbing topics,  
presented by S&B's veteran Plumbing Staff



## Drain, Waste, and Vent, LIVE

\$30 - Three hours for MP, JP and UDC Plumbing Inspector- I, ID #4875

Have you ever wondered how a code-compliant combination drain and vent system looks? This course will allow you to see the fittings as they are installed and question S&B staff about different drain and vent scenarios. Actual drain and vent installations will be “put together” at this course and questions about how fittings can be installed will be answered. Plan to attend if you're interested in the Wisconsin Plumbing Code options for drain and vent systems.

Checkmark the  
courses you wish  
to attend.



<b>Rhineland</b>	April 9, Tues., 6-9 p.m., Holiday Inn, 668 W Kemp Street, 715-369-3600 .....	\$30
<b>Black River Falls</b>	April 11, Thurs., 6-9 p.m., Arrowhead Lodge, I-94 & Hwy 54, 715-284-9471 .....	\$30
<b>Sparta</b>	April 16, Tues., 6-9 p.m., The Colonial, 1415 W Wisconsin Street, 608-269-1806 .....	\$30
<b>Stevens Point</b>	April 18, Thurs., 6-9 p.m., Best Western Royale, 5110 Main Street, 715-341-5110 .....	\$30
<b>Green Bay</b>	April 23, 6-9 p.m., Ramada Inn, 2750 Ramada Way, 920-499-0631 .....	\$30
<b>Oconomowoc</b>	April 25, 6-9 p.m., Olympia Resort, 1350 Royale Mile Road, 262-567-0311 .....	\$30
<b>Racine</b>	April 30, Tues., 6-9 p.m., Racine Marriott, 7111 W Washington Ave, 262-886-6100 .....	\$30
<b>Monroe</b>	May 7, 6-9 p.m., Peppercorn, 180 18 <sup>th</sup> Ave. N, 608-329-2233 .....	\$30

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Registration begins one-half hour before the class starts  
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## 2002 Code Revisions

\$35 per class, or \$70 for a day of two classes - Two classes of three hours each for MP, MPRA, MPRS, JP, JPRS, JPRA, UDC Plumbing Insp., POWTS Insp. IDs # 4081 & 4082

The Plumbing Code Advisory Council worked for three years on a “fix-up” package for the code. A public hearing was held on February 13, and these classes will include some responses to the public hearing comments and information on the next steps toward implementation. If you like staying informed and want to be prepared for new code requirements, plan to attend.

Checkmark the courses  
you wish to attend.



### Black River Falls

- A. April 11, Thurs., 8:30 a.m. - 11:30 a.m., Arrowhead Lodge, I-94 & Hwy 54, 715-284-9471 ..... \$35  
B. April 11, Thurs., 12:30 p.m. - 3:30 p.m., Arrowhead Lodge, I-94 & Hwy 54, 715-284-9471 ..... \$35

### Stevens Point

- A. April 18, Thurs., 8:30 a.m. - 11:30 a.m., Best Western Royale, 5110 Main Street, 715-341-5110 ..... \$35  
B. April 18, Thurs., 12:30 p.m. - 3:30 p.m., Best Western Royale, 5110 Main Street, 715-341-5110 ..... \$35

### Green Bay

- A. April 23, 8:30 a.m. - 11:30 a.m., Ramada Inn, 2750 Ramada Way, 920-499-0631 ..... \$35  
B. April 23, 12:30 p.m. - 3:30 p.m., Ramada Inn, 2750 Ramada Way, 920-499-0631 ..... \$35

### Oconomowoc

- A. April 25, 8:30 a.m. - 11:30 a.m., Olympia Resort, 1350 Royale Mile Road, 262-567-0311 ..... \$35  
B. April 25, 12:30 p.m. - 3:30 p.m., Olympia Resort, 1350 Royale Mile Road, 262-567-0311 ..... \$35

### Monroe

- A. May 7, 8:30 a.m. - 11:30 a.m., Peppercorn, 180 18<sup>th</sup> Ave. N, 608-329-2233 ..... \$35  
B. May 7, 12:30 p.m. - 3:30 p.m., Peppercorn, 180 18<sup>th</sup> Ave. N, 608-329-2233 ..... \$35





# Spring 2002 Safety and Buildings Plumbing Continuing Education



Sign up soon to reserve your spot! Improve your knowledge and get your continuing education credits for your next renewal



## Multipurpose Piping Systems - Introduction and Detail

Two days - \$150 -12 hours for MP, MPRA, JP, JPRA, UDC Plumbing Inspector, ID #3953

A master plumber who was licensed prior to January 1, 2002 must complete an approved course before being responsible for a plumbing system that includes a multipurpose piping system. Safety and Buildings Division staff offer four courses this spring. The courses are over two days, 12 hours in total length. The instructors will present an introduction to the theory of multipurpose systems and water distribution sizing. The class will learn the code requirements and NFPA 13-D standard for multipurpose systems. Students completing the course will be able to size a multipurpose system and understand installation requirements.

Checkmark the courses  
you wish to attend.



<b>Oconomowoc</b>	April 23&24, Tues.-Wed., 8:30 a.m., Olympia Resort, 1350 Royale Mile Road, 262-567-0311 .....	_____	\$150
<b>Green Bay</b>	April 24&25, Wed.-Thurs, 8:30 a.m., Ramada Inn, 2750 Ramada Way, 920-499-0631 .....	_____	\$150
<b>Monroe</b>	May 8&9, Wed.-Thurs, 8:30 a.m., Peppercorn, 180 18 <sup>th</sup> Ave. N, 608-329-2233 .....	_____	\$150

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**Registration begins one-half hour before the class starts**  
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## Multipurpose Piping Systems – Introduction

\$100 - Six credit hours for MP, MPRA, JP, JPRA, UDC Plumbing Insp., ID #3953

This course is an introduction to the multipurpose piping system for those who can't or don't want to attend the full multipurpose system course. There will be no multipurpose system sizing in this portion of the course. This is not a course for masters who are responsible for the installation of multipurpose systems. This course can be beneficial for UDC inspectors, journeymen, and apprentices who are interested in learning the basics of the multipurpose system.

Checkmark the courses  
you wish to attend.



<b>Oconomowoc</b>	April 23, Tues, 8:30 a.m., Olympia Resort, 1350 Royale Mile Road, 262-567-0311 .....	_____	\$100
<b>Green Bay</b>	April 24, Wed, 8:30 a.m., Ramada Inn, 2750 Ramada Way, 920-499-0631 .....	_____	\$100
<b>Monroe</b>	May 8, Wed, 8:30 a.m., Peppercorn, 180 18 <sup>th</sup> Ave. N, 608-329-2233 .....	_____	\$100

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**Registration must be received by S&B at least 1 week prior to the class.** Seating is limited. One form per person. Confirmations will **not** be sent. You will be contacted only if the session you selected is full. Keep a copy of this form as a reminder of what you registered for. If you have registration questions, call the S&B Credential Unit, 608-261-8500, or email madisoncred@commerce.state.wi.us. If you have questions about the class topics, contact a Plumbing Consultant or Plumbing Plan Reviewer listed on page 10 of this WCCR.

Personal information you provide may be used for secondary purposes [Privacy Law, s. 1504(1)(m)]

Name: \_\_\_\_\_ Credential Number: \_\_\_\_\_

Address, with zip code: \_\_\_\_\_

Day phone, with area code: \_\_\_\_\_

**Be sure to send in copies of both pages if  
you plan to attend classes listed on page 6.**

Make check to "Dept. of Commerce." No refunds. Fees are not transferable. Amount enclosed: \_\_\_\_\_

Check #: \_\_\_\_\_ Rev. Code 9200 Mail to: Credentialing Unit, P.O. Box 1484, Madison, WI 53701-1484



## Rectorseal product approval for AAV rescinded

Effective March 6, 2002, the Safety and Buildings Division rescinded the product approval of the Magic Vent, model Microvent 10110, air admittance valve (AAV) manufactured by Rectorseal. The decision was made because S&B learned that some of the valves are not consistently holding a positive pressure equal to one-inch water column for five minutes.

The manufacturer does have the opportunity to have the product approved in the future by proving such a capability.

Only AAVs approved by S&B may be installed in plumbing systems in Wisconsin. Also, when any AAV is installed, each device is required to be tested to prove that it can hold a positive pressure as noted above.

## Plan Review Scheduling

For plan review scheduling for Plumbing and Buildings, fax scheduling is your best bet; please fax completed first two pages of plan review submittal forms to 877-840-9172. (Information about the project is needed to schedule the plan review.) You can request the review be scheduled in a specific office or you can schedule the first appropriate plan review available statewide.

Plan review for Private Onsite Wastewater Treatment Systems is provided on a first-come, first-served basis. Contact one of the offices for information.

For info on what scheduling dates are available in each office, see <http://www.commerce.state.wi.us/SB/SB-DailyDoc.html>.

Omega Point says fire caulking not in their listing, see information release in S&B "Library," <http://www.commerce.state.wi.us/SB/SB-LibraryIndex.html>

## email technical questions to:

- Commercial buildings, Comm 50-64, 66, 69:  
[bldgtech@commerce.state.wi.us](mailto:bldgtech@commerce.state.wi.us)
- Fire protection systems:  
[fireprotech@commerce.state.wi.us](mailto:fireprotech@commerce.state.wi.us)
- Plumbing, cross connection ..... [plbgtech@commerce.state.wi.us](mailto:plbgtech@commerce.state.wi.us)
- Private onsite wastewater treatment ..... [powttech@commerce.state.wi.us](mailto:powttech@commerce.state.wi.us)

### POWTS Training Seminar from Wieser Concrete, April 25, 2002, 8 a.m. - 3 p.m.

Spooner, Northwest Sports Center, 301 Walnut Street

**Topics:** Code Update - Nibbler Installation/Operation - Fast Unit Maintenance, Troubleshooting - Zabel, Zoller, Orenco, Sim Tech - Sand filters, Advantax - Drip Systems - Septic Tank Manufacture

Pre-registration is appreciated by April 24, 800-325-8456, Lunch provided

**Six hours con ed credit for POWTS I, MP, MP-RS, JP, JP-RS, CST, POWTS M**

**Temporary duties for Stanlick.** Harold Stanlick, Integrated Services Bureau Waukesha area section chief for several S&B programs, has taken a temporary assignment in another Department of Commerce division. Until the end of June, he will be the Hydrogeologist Supervisor in the Environmental and Regulatory Services Division. Jim Miller, another Integrated Services section chief, will have Stanlick's Waukesha area staff supervisory duties in the Plumbing, POWTS, and Public Swimming Pools programs. Miller may be contacted at 608-266-8072, [jhmiller@commerce.state.wi.us](mailto:jhmiller@commerce.state.wi.us).



# Building wind load analysis procedure explained

**Question:** What is the appropriate application of a more exact wind load analysis procedure as permitted by Comm 53.12(5) and the correct determination of the velocity wind pressure to be considered equivalent to the initial required load of Comm 53.12(1)?

**Analysis:** The use of a recognized more exact wind load analysis procedure in its entirety is acceptable to the Safety and Buildings Division per Comm 53.12(5). The analysis should not reduce the initial required load in Comm 53.12(1). The initial required load in Comm 53.12(1) varies with building height. For buildings up to 50 feet in height, the initial required load is 20 psf. Comm 53.12(1) goes on to discuss *how* the initial required load of 20 psf must be applied to the building IF a more exact wind load analysis procedure is NOT used (i.e. to the full vertical projection of the building). In effect, the application of the initial required load per Comm 53.12(1) is a simplified

method that has been an analysis and design option since 1975.

**Direction:** When a recognized more exact wind load analysis procedure is used, the velocity wind pressure to be used in the more exact analysis must be determined using the equation and diagram in the current Wisconsin Administrative Code commentary on the bottom of page 2001-53-22. Using this equation will satisfy the requirement that the analysis does not reduce the initial required load in Comm 53.12(1). The total load effect on the building will be different and less than if one uses the simplified method. This is both recognized and accepted.

For more information, see the S&B Internet "Library," linked on the left of the S&B HomePage, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>. Or, contact Steve Dobratz, S&B Section Chief, [sdobratz@commerce.state.wi.us](mailto:sdobratz@commerce.state.wi.us), 715-524-6853.



## Plumbing Seminar

For three hours continuing education for  
Master/ journeymen plumbers and UDC plumbing inspectors

### When:

May 22, 2002  
5:00 p.m.—8:30 p.m.

### Where:

The West Side Club  
3706 Junction Road  
Madison, Wisconsin  
(behind West Side Menards)

### Mail To:

Harry Sulzer  
Inspection Unit  
P.O. Box 2984  
Madison, WI 53701-2984

### Registration for Plumbing Seminar Plumbing Code Changes

Name \_\_\_\_\_

Address \_\_\_\_\_

Must be received by May 8. (100-Person limit)

**Cost: \$30 Per Person ( Includes Dinner)**

Make checks payable to "City Treasurer" Confirmations NOT sent.  
If you have questions, call Harry Sulzer @ (608) 266-4568.

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